

Part Number	00115370	Name	Mill, watermelon 3.875 OD 4-1/2 IN 9.5-11.6 PPF 2-3/8 REG
Primary Legacy Number	62770-004	Version	A.7
Secondary Legacy Number		Is Prime	Not Set
Type	Separable	Source	Buy
Checker		Promoter	
Described By	Document Number		Version
	D000009829		B.6
Classification	Weatherford/Casing Exits/Mills/Mill		
Attribute	Value	Attribute	Value
CASING SIZE	4.500 in	CASING SIZE FRACTIONAL	4-1/2
CASING WEIGHT MAXIMUM	11.60 lbs-mass/ft	CASING WEIGHT MINIMUM	9.50 lbs-mass/ft
CONNECTION DOWN NAME	Regular	CONNECTION DOWN RELIEF	None
CONNECTION DOWN SIZE	2.375 in	CONNECTION DOWN SIZE FRACTIONAL	2-3/8
CONNECTION DOWN TYPE	Box	CONNECTION UP NAME	Regular
CONNECTION UP RELIEF	None	CONNECTION UP SIZE	2.375 in
CONNECTION UP SIZE FRACTIONAL	2-3/8	CONNECTION UP TYPE	Pin
DRESSED OUTSIDE DIAMETER	3.875 in	DRESSED OUTSIDE DIAMETER TYPE	Rough
DRESSING MATERIAL	Crushed carbide	FISHING NECK DIAMETER	3.125 in
FISHING NECK LENGTH	10.00 in	MODIFIER	watermelon
NOUN	Mill		

Part 00115370, A (Design) BOM List:

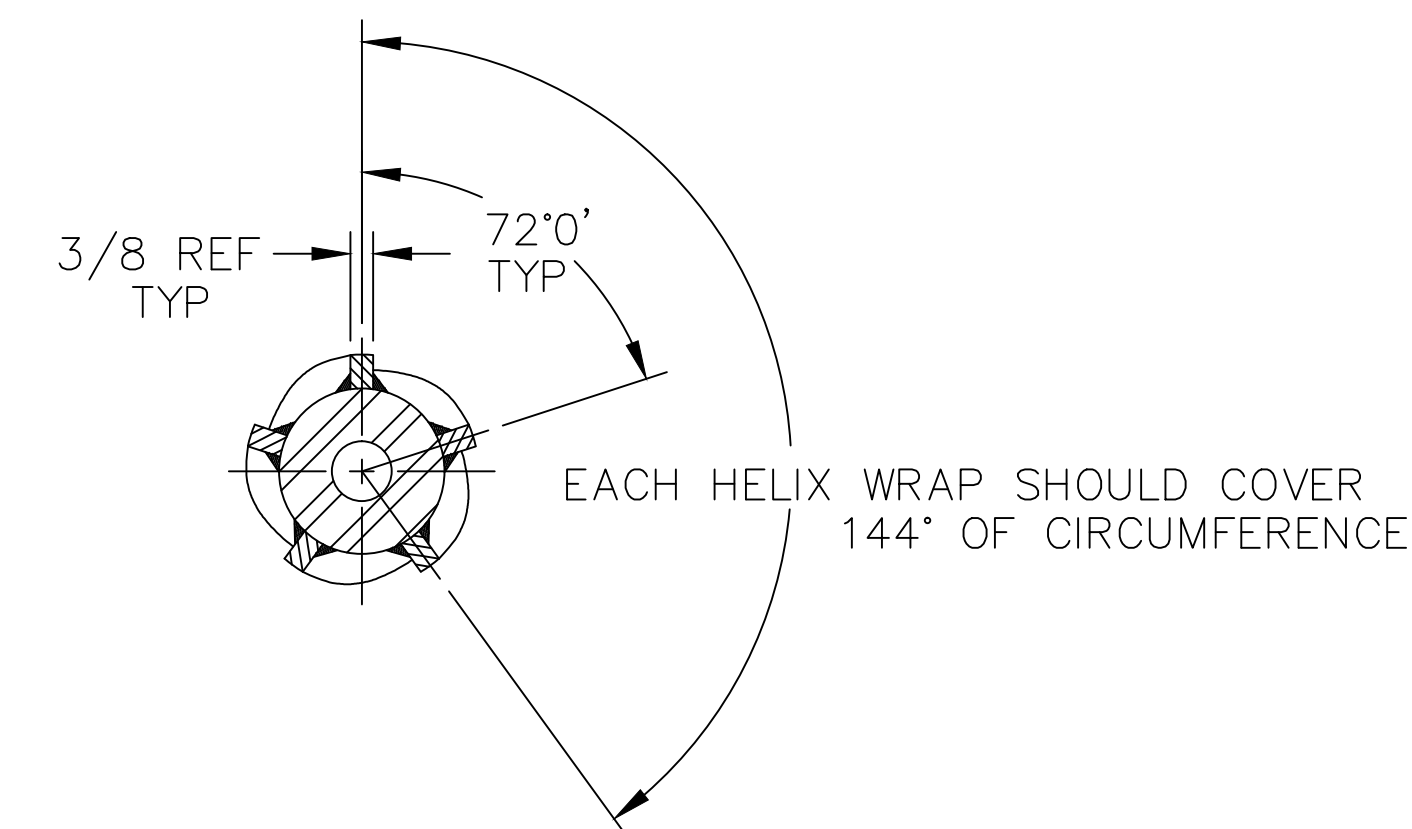
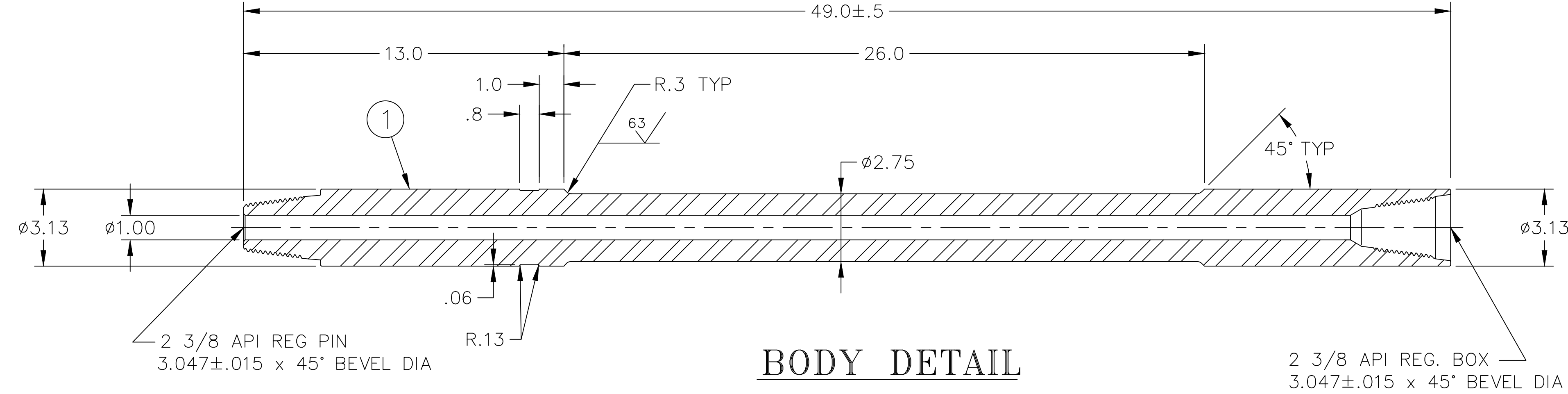
Line Number	Number	Name	Quantity	UOM	Reference Designator
1	00115367	Mill, watermelon, blank, 3.750-3.875 OD, 2-3/8 REG P-B	1.0	each	
5	00104547	WELD MEDIA, NICKEL SILVER 0.125 DIA IN FLUX COATED	1.97	pounds	
998	00102759	Rod, carbide composite 0.250 DIA 0.250 LG IN	5.41	pounds	
999	00102757	Rod, carbide composite 0.125 DIA 0.125 LG IN	1.8	pounds	

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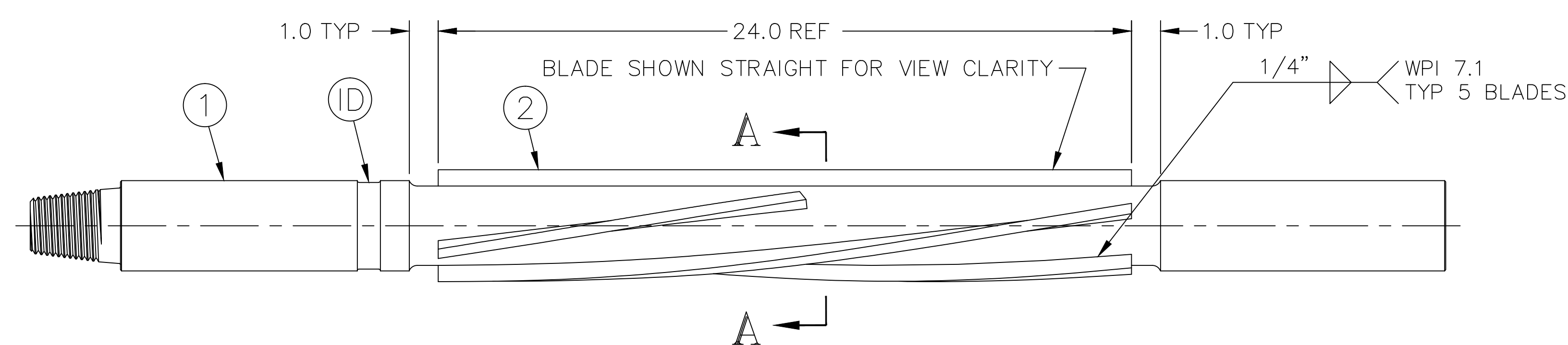


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PDM SYSTEM INFORMATION FOR PART 00115370
Mill, watermelon 3.875 OD 4-1/2 IN 9.5-11.6 PPF 2-3/8 REG

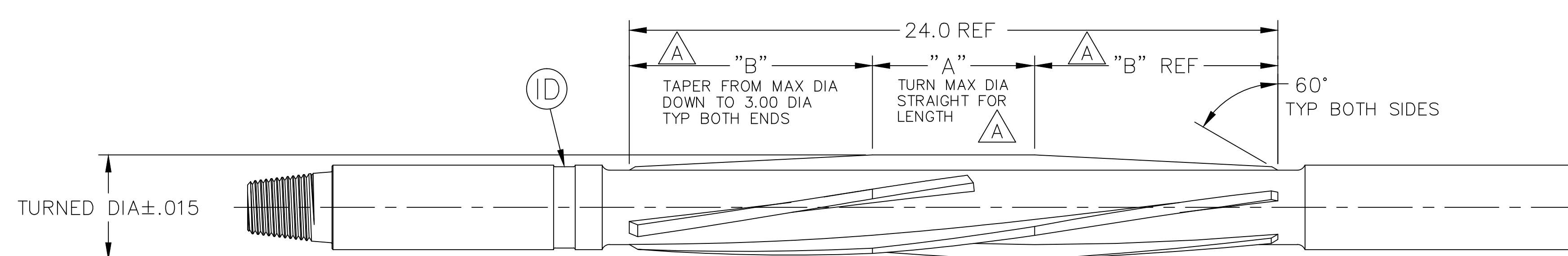
	62770	2			1
ITEM	PART NO.	LEGACY NO.	QTY	WS#	DESCRIPTION
1			1	901	ROUND BAR
2			5	916	FLAT BAR; 3/8 X 1/2 X 28 LG.
3	00102757	60793	AR		KUTRITE; 1/8
4	00102759	60795	AR		KUTRITE; 1/4
5	00104547	890992	AR		WELD MEDIA, NICKEL SILVER
6	00102299	60017	1		THREAD PROTECTOR, BOX
7	00102298	60016	1		THREAD PROTECTOR, PIN
8	00102758	60794	AR		KUTRITE; 3/16



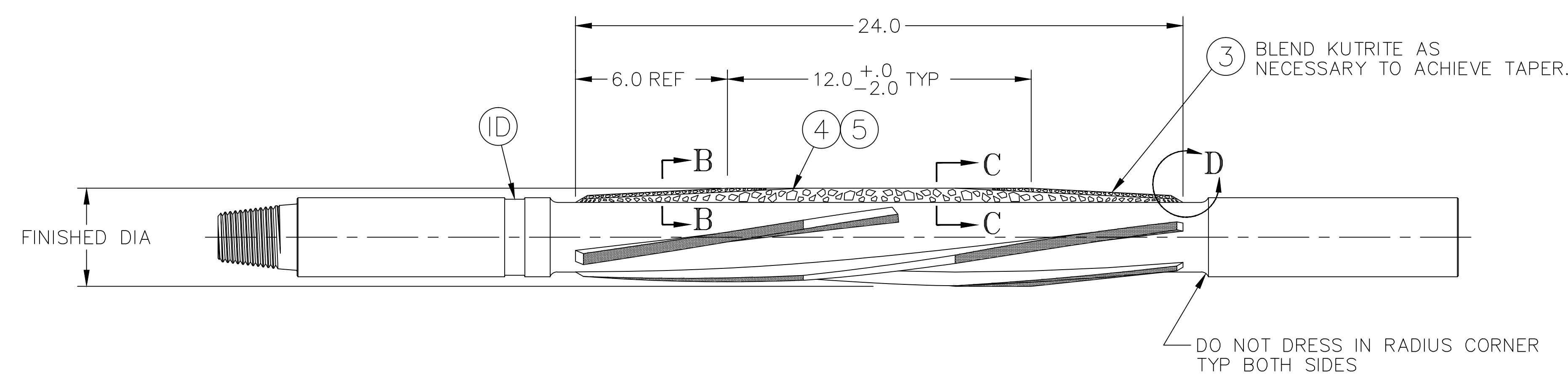
SECTION A-A



BLANK DETAIL
(PART NO. 62770)



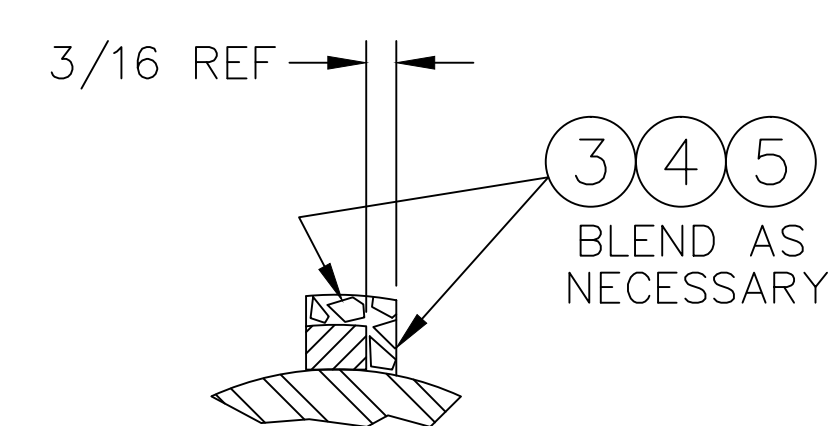
TURNED DETAIL



DRESSED DETAIL

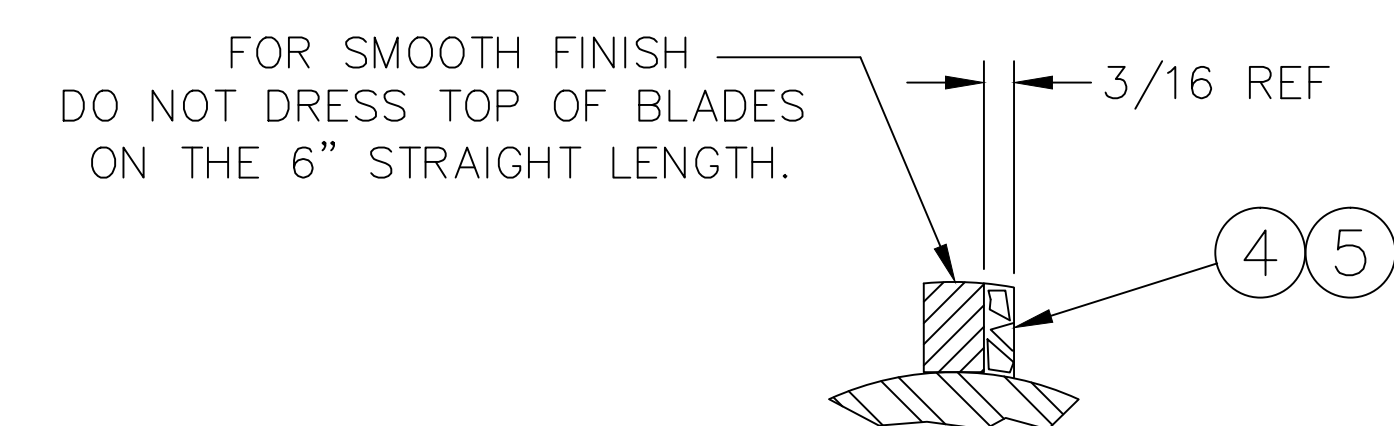
SMOOTH OPTION SHOWN
(NOTE: DRESS MILL TO RUN BOX DOWN)

WATERMELON MILL OPTION CHART									
PART NO.	LEGACY NO.	FINISHED DIA	TURNED DIA	DIA TOLERANCE	STYLE	DRESSED	DIM "A"	DIM "B"	
	62770-001	3.75	3.78	+1/32 -0	S	Y	6.0"	9.0"	
00115368	62770-002	3.88	3.91	+1/32 -0	S	Y	6.0"	9.0"	
00115369	62770-003	3.75	3.25	+1/32 -0	R	Y	10.0"	7.0"	
00115370	62770-004	3.88	3.38	+1/32 -0	R	Y	10.0"	7.0"	
	62770-005	3.75	3.78	+1/32 -0	S	N	6.0"	9.0"	
	62770-006	3.88	3.91	+1/32 -0	S	N	6.0"	9.0"	
00115371	62770-007	3.75	3.25	+1/32 -0	R	N	10.0"	7.0"	
	62770-008	3.88	3.38	+1/32 -0	R	N	10.0"	7.0"	
00827184	62770-009	3.70	3.31	+1/32 -0	R	N	10.0"	7.0"	
00827191	62770-010	3.88	3.50	+1/32 -0	R	N	10.0"	7.0"	
00895597	62770-011	3.70	3.73	+1/32 -0	S	N	10.0"	7.0"	



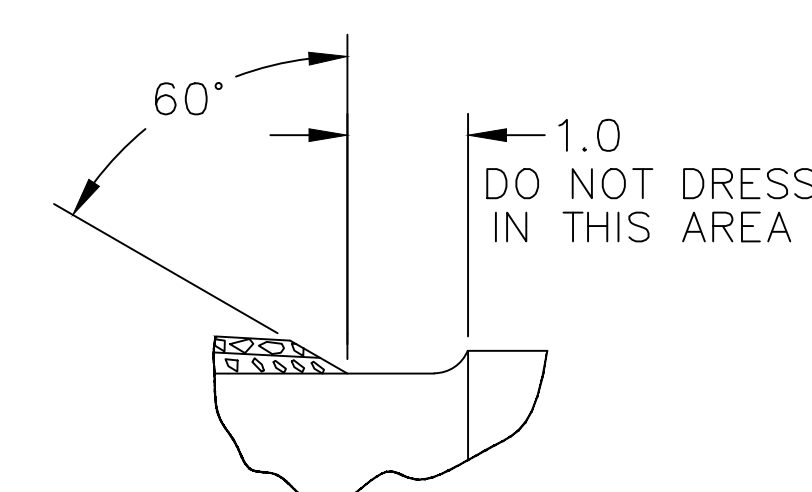
SECTION B-B

DRESS TOP OF TAPERED SECTION
TYP 5 BLADES



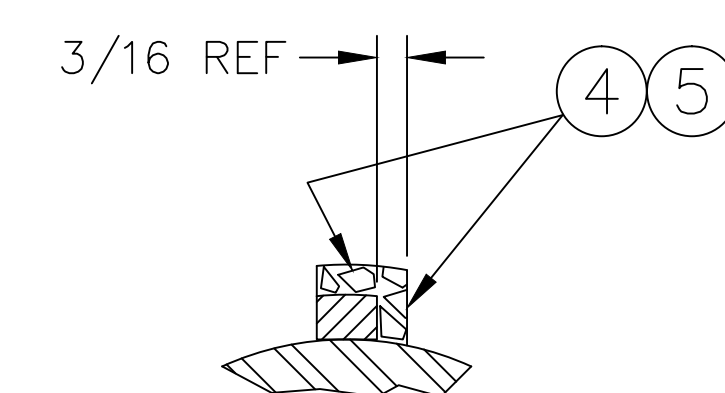
SECTION C-C

STYLE "S": SMOOTH OD
TYP 5 BLADES



DETAIL D

TYP 5 BLADE
BOTH SIDES



SECTION C-C

STYLE "R": ROUGH OD
TYP 5 BLADES

B	9497	DMG	S
REV	DESCRIPTION OF REVISION	Rev'd By	Chk

ENGINEERING LOCATION: PEARLAND, TX

UNLESS OTHERWISE SPECIFIED

1. BREAK ALL SHARP EDGES.

2. SURFACE FINISH 250 RMS.

3. FILLET RADI 0.03/06

4. T.I.R. 03 MAX

TOLERANCES

INCH	ANGLES
$\pm .1$	$^\circ \pm .5^\circ$
$\pm .004$	$^\circ \pm .004^\circ$ or $0^\circ - 30^\circ$
$\pm .0004$	$\pm .0005$

FRACTIONS $\pm 1/16$

DO NOT SCALE DRAWING

ALL DIMENSIONS ARE IN INCHES

THREAD SURFACE FINISH 125/10

MATERIAL:

HEAT TREAT:

SURFACE COATING: PHOSPHATE

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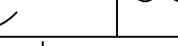
DWG BY/DATE: DLM/10/06/97

CHK'D BY/DATE: ANB/10/8/97

APVD BY/DATE: SPH/10/8/97

SCALE:

THIRD ANGLE PROJECTION



DRAWING NUMBER

62770

SIZE

D

PAGE

1

REV.

B



MILL, WATERMELON

0.370 - 0.388 DIA, 2 3/8 REG P/B